MX-D830
MX-D850
MX-D870

Three-CD Changer
MINI-Compact System

MP3-CD/WMA-CD/CD-R/RW Playback

user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service,
please register your product at
www.samsung.com/register

SAMSUNG

Safety Warnings

ENG

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.	**CAUTION** : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.	This symbol indicates important instructions accompanying the product.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LÁSER CLASE 1

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

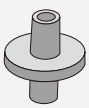
WHAT’S INCLUDED (Check for the supplied accessories below.)

FM Antenna

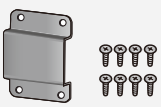
User's Manual

Remote Control/Batteries(optional)

AM Antenna (Optional)



Spacers (8 EA)
(MX-D870 only)



Back bracket 4 EA /Screws 16 EA
(MX-D870 only)

Toroidal Ferrite core (1 EA)
(For USB cable) (Optional)

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  a. an engineer is called out at your request and there is no defect in the product
     (i.e. where you have failed to read this user manual)
  b. you bring the unit to a repair centre and there is no defect in the product
     (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

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Thank you for buying this SAMSUNG mini-compact system.

Please take time to read these instructions.
They will allow you to operate your system with ease and take full advantage of its features.

ENG

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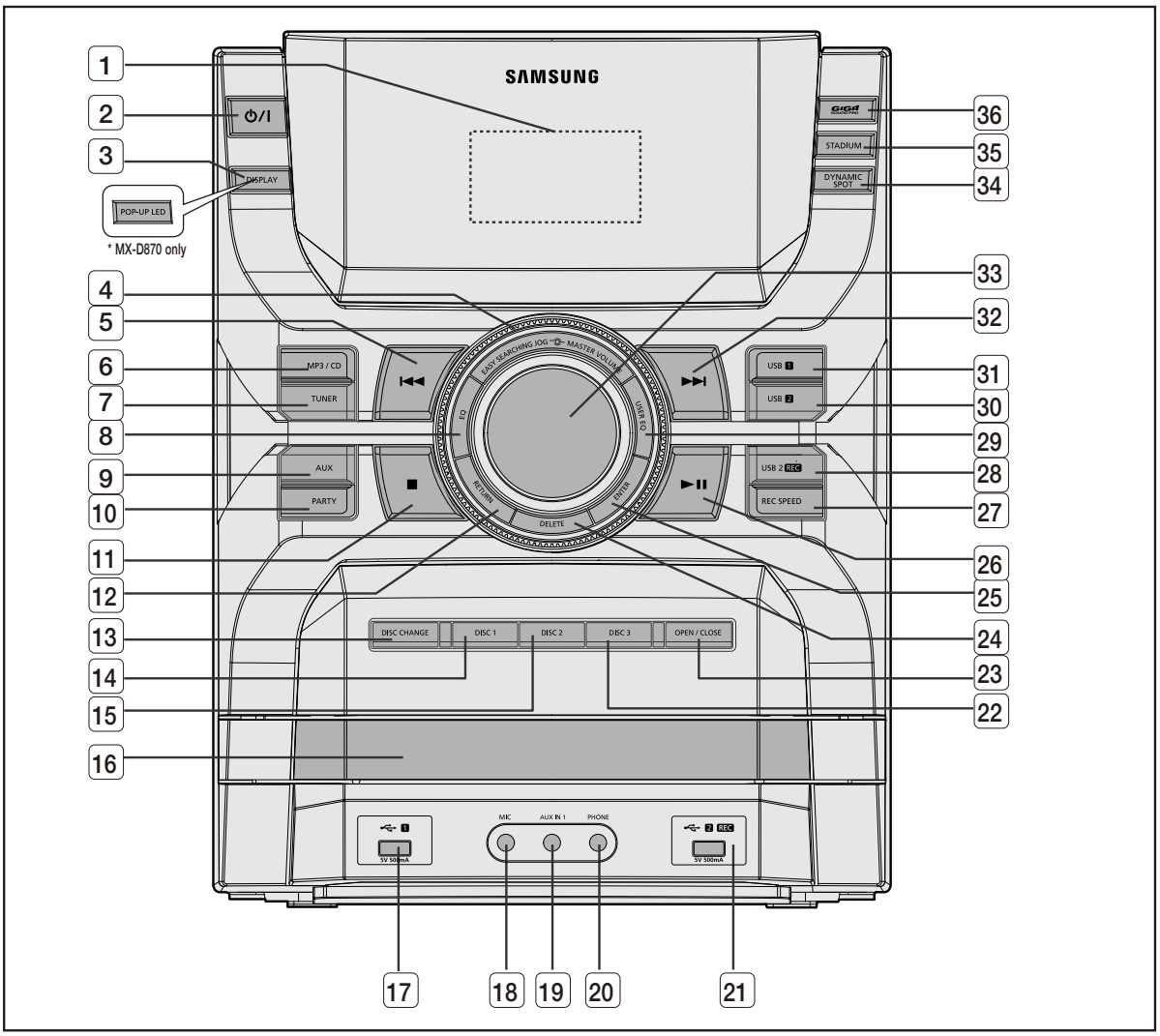
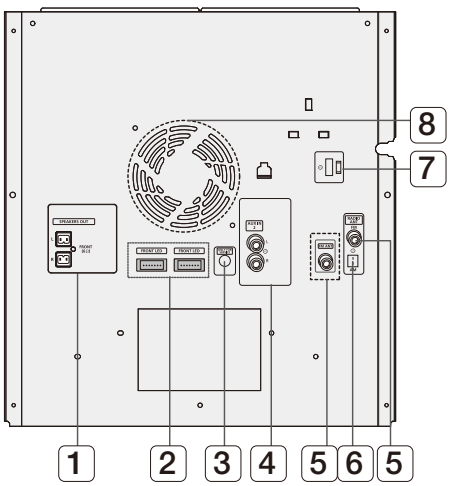
Front Panel View



1. Window Display
2. POWER button
3. DISPLAY button (only for MX-D830/D850), POP-UP LED button (only for MX-D870)
4. EASY SEARCHING JOG control
5. Search/Skip button
6. MP3/CD button
7. TUNER button
8. EQ button
9. AUX button
10. PARTY button
11. STOP/Tuning Mode button
12. RETURN button
13. DISC CHANGE button
14. DISC 1 button
15. DISC 2 button
16. Compact DISC Compartment
17. USB 1 jack
18. MIC jack
19. AUX IN 1 jack
20. PHONE jack
21. USB 2 REC jack
22. DISC 3 button
23. OPEN/CLOSE button
24. DELETE button
25. ENTER button
26. PLAY/PAUSE button
27. REC SPEED button
28. USB 2 REC button
29. USER EQ button
30. USB 2 button
31. USB 1 button
32. Search/Skip button
33. MASTER VOLUME control
34. DYNAMIC SPOT button
35. STADIUM button
36. GIGA SOUND PRO button

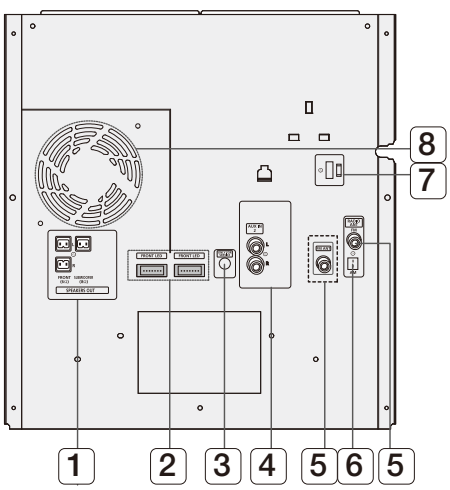
➢ ◆ All those pictures of the Front panel are based on MODEL: MX-D830.

Rear Panel View (MX-D830)



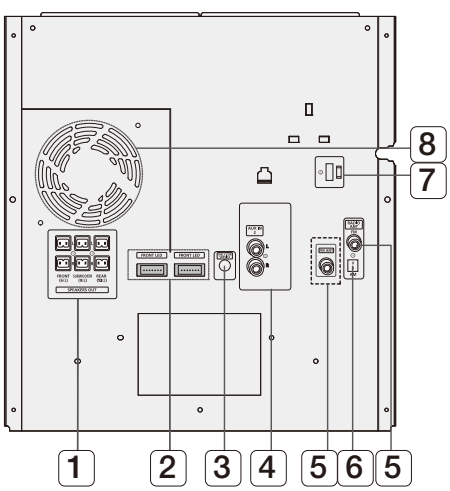
1. 2.0 CH Speaker Connector Terminals
2. LED Terminals of the Front Speakers
3. ONLY FOR SERVICE (This jack is just for testing, please don't use it)
4. AUX IN 2 jack
5. FM Antenna Connector Terminal
   - ☛ The position of FM antenna connector terminal may differ depending on your region.
6. AM Antenna Connector Terminal (Optional)
7. Voltage Selector (Optional)
   - ☛ This product may not support the AM or the Voltage Selector function depending on your region.
8. Cooling fan
   - ☛ The fan always turns when the power is on. Secure a minimum 10 cm of clear space from all sides of the fan when installing the product.

Rear Panel View (MX-D850)



1. 2.1 CH Speaker Connector Terminals
2. LED Terminals of the Front Speakers
3. ONLY FOR SERVICE (This jack is just for testing, please don't use it)
4. AUX IN 2 jack
5. FM Antenna Connector Terminal
   - ☛ The position of FM antenna connector terminal may differ depending on your region.
6. AM Antenna Connector Terminal (Optional)
7. Voltage Selector (Optional)
   - ☛ This product may not support the AM or the Voltage Selector function depending on your region.
8. Cooling fan
   - ☛ The fan always turns when the power is on. Secure a minimum 10 cm of clear space from all sides of the fan when installing the product.

Rear Panel View (MX-D870)

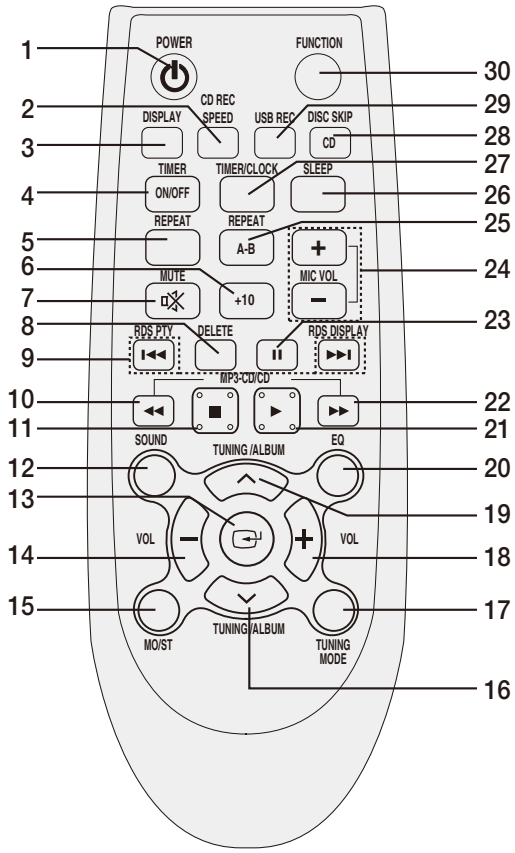


1. 4.2 CH Speaker Connector Terminals
2. LED Terminals of the Front Speakers
3. ONLY FOR SERVICE (This jack is just for testing, please don't use it)
4. AUX IN 2 jack
5. FM Antenna Connector Terminal
   - ☛ The position of FM antenna connector terminal may differ depending on your region.
6. AM Antenna Connector Terminal (Optional)
7. Voltage Selector (Optional)
   - ☛ This product may not support the AM or the Voltage Selector function depending on your region.
8. Cooling fan
   - ☛ The fan always turns when the power is on. Secure a minimum 10 cm of clear space from all sides of the fan when installing the product.

➢ All those pictures of the Rear panel are based on MODEL: MX-D830 (with AM function)

Remote Control

ENG



1. POWER
2. CD REC SPEED
3. DISPLAY
4. TIMER ON/OFF
5. REPEAT
6. +10
7. MUTE
8. DELETE
9. Skip *
10. Fast-Backward
11. STOP
12. SOUND
13. ENTER
14. VOLUME -
15. MO/ST
16. TUNING/ALBUM ﹀
17. TUNING MODE
18. VOLUME +
19. TUNING/ALBUM ﹀
20. EQ
21. PLAY
22. Fast-Forward
23. PAUSE
24. MIC VOL +, -
25. REPEAT A-B
26. SLEEP
27. TIMER/CLOCK
28. DISC SKIP
29. USB REC
30. FUNCTION

* This product is not used the **RDS PTY** and **RDS DISPLAY** function printed the ⏮, ⏭ button above.

Where to Install Your Mini-Compact System

To take full advantage of your new mini-compact system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the Speakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the Speakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.

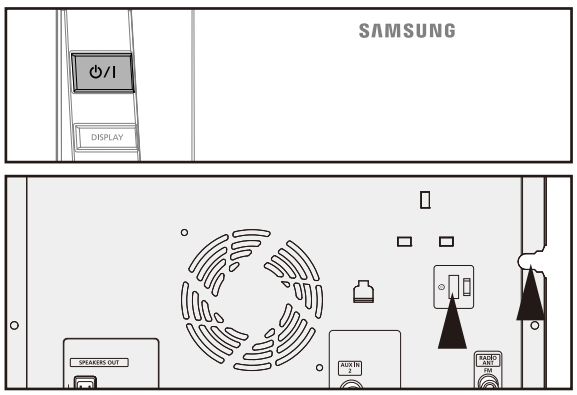
Connecting your System to the Power Supply

☛ Before plugging your system into a main socket, you must check the voltage.

1 Check the position of the voltage selector on the rear of the system (OPTIONAL).

2 Plug the main lead (marked AC Cord on the rear of the system) into an appropriate socket.

3 Press the **POWER** (⏻/I) button to turn your mini-compact system on.



Inserting Remote Control Batteries

Insert or replace remote control batteries when you:

- Purchase the mini-compact system
- Find that the remote control is no longer operating correctly

☛ When replacing the batteries, use a new set of batteries and never mix alkaline and manganese batteries.

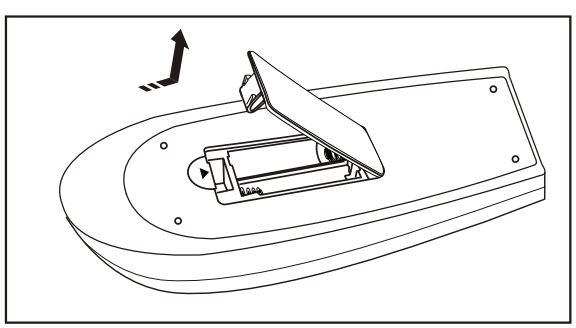
1 Place your thumb on the position marked ▶ on the battery compartment cover (rear of the remote control) and pull the cover in the direction of the arrow.

2 Insert two AAA, LR03 or equivalent batteries, taking care to respect the polarities:

- \+ on the battery on ⊕ in the battery compartment
- – on the battery on ⊖ in the battery compartment

3 Replace the cover by sliding it back until it clicks into position.

➢
- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- The remote control can be used up to approximately 7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



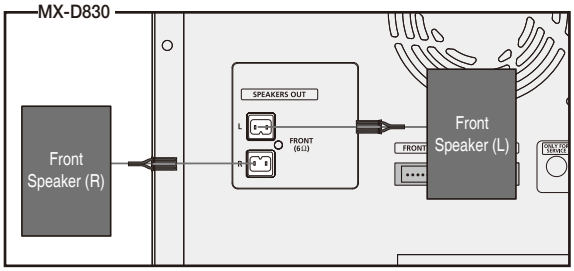
Connecting the Speakers

The Speakers connector terminals are located on the rear of the system.

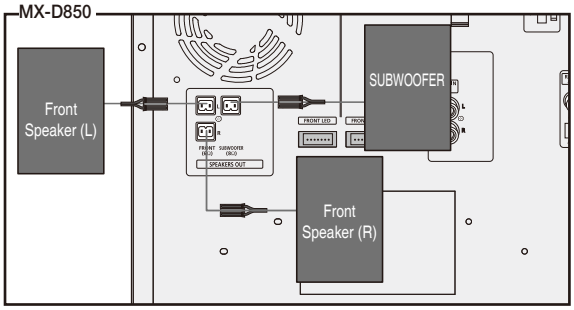
- Left speaker (marked L)
- Right speaker (marked R)

1 To achieve the correct sound quality, connect those speaker connector cables to the speaker connector terminals of the system.

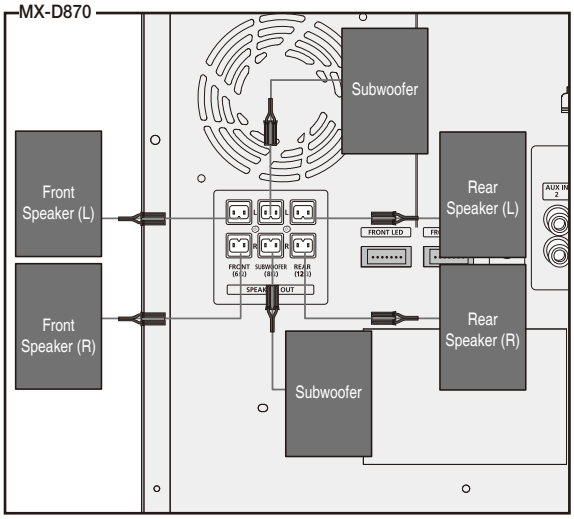
MX-D830



MX-D850

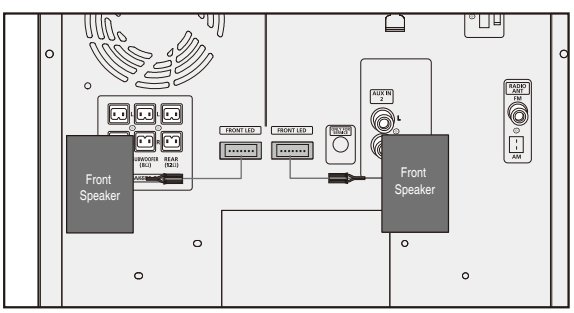


MX-D870



2 Connect the LED cables of the Front Speakers to each LED Terminals of the system.

- You can enjoy the special light effect on your speakers.



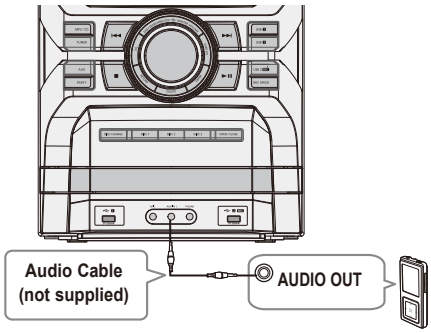
Connecting to an External Source

ENG

Connecting an External Component/MP3 player

Components such as an MP3 Player

AUX IN 1 : Front Panel



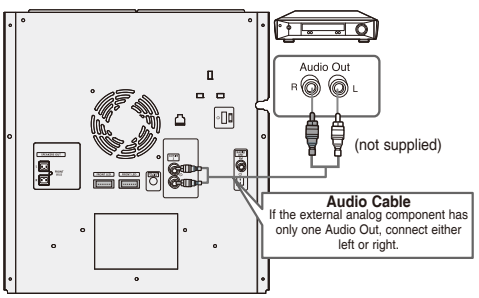
1 Connect **AUX IN 1** on the front panel of the MINI COMPACT to the Audio Out of the external component/MP3 player.

2 Press the **AUX** button to select the AUX 1 input.
You can select AUX 1 by pressing the **FUNCTION** button on the remote control.

Connecting an External Analog Component

Example: Analog signal components such as a VCR, Camcorder, and TV.

AUX IN 2 : Rear Panel



1 Connect **AUX IN 2** on the player to Audio Out on the external analog component.
• Be sure to match connector colors.

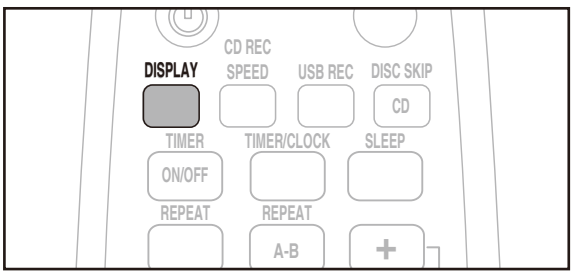
2 Press the **AUX** button to select the AUX 2 input.
You can select AUX 2 by pressing the **FUNCTION** button on the remote control.

Display function

You can view all functions available on the display, adjust the brightness of the display and select the Display/LED either on or off.

Each time you press the **DISPLAY** button on the remote control, the display mode will change as following:

- **The Demo function**
  All functions available on the system appear on the front panel display.
- **The Dimmer function**
  The Dimmer function is selected and the display darkens.
- **LED OFF**
  The LED is turned off while the dimmer function is working.
- **Clock ON**
  The Clock you set is displayed.
- **LED/Display ON**
  All Display and LED are turned on.

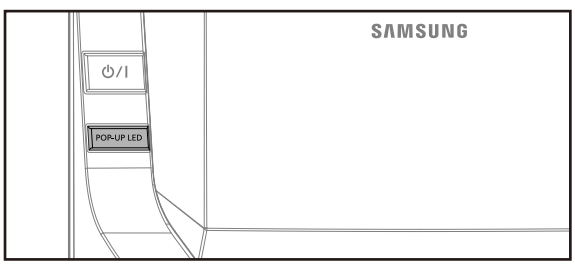


POP-UP LED function(MX-D870 only)

You can switch the LED mode to your preference.

Each time you press the **POP-UP LED** button on main unit, the LED mode will change as following:

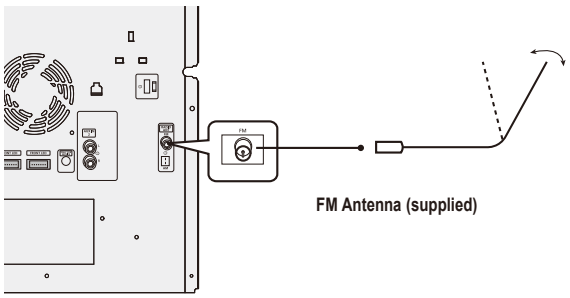
- **LED ON**
  The LED is turned on.
- **LED OFF**
  The LED is turned off.



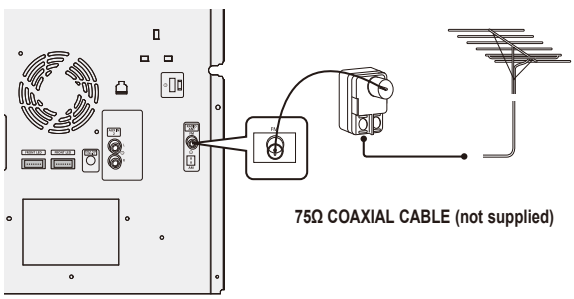
Connecting the FM Antenna

How to connect a COAXIAL TYPE antenna.

- Connect an antenna to the **FM** antenna terminal.
- Plug the connector on the **FM** antenna supplied into the coaxial socket marked **FM** on the rear of the system.
- Follow the instructions given on **Page 16** to tune into a radio station, and determine the best position for the antenna.

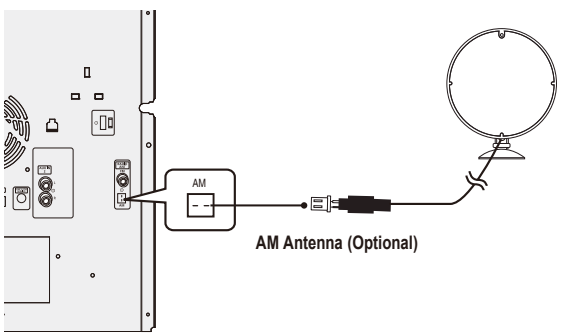


- If reception is poor, you may need to install an outdoor antenna. To do so, connect an outdoor **FM** antenna to the **FM** socket on the rear of t he system using a 75Ω coaxial cable (not supplied).



Connecting the AM Antenna (Optional)

Plug the connector on the AM antenna into the AM Terminal on the rear of the system.



Setting the Clock

ENG

Your system is equipped with a clock which allows you to turn it on and off automatically.
You should set the clock:

- When you first purchase the mini-compact system
- After a power failure
- After unplugging the unit

☛ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Press the **TIMER/CLOCK** button twice.
Result: **CLOCK** is displayed.

3 Press the **ENTER (⏎)** button.
Result: The hour flashes.

4

To..	Press the TUNING/ALBUM button
Increase the hours	∧
Decrease the hours	∨

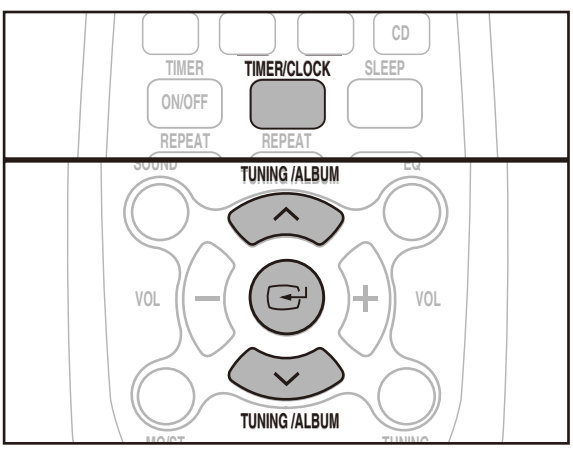
5 When the correct hour is displayed, press the **ENTER (⏎)** button.
Result: The minutes flash.

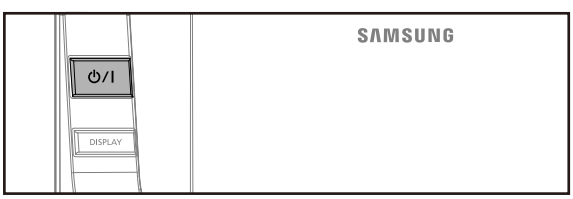
6

To..	Press the TUNING/ALBUM button
Increase the minutes	∧
Decrease the minutes	∨

7 When the correct time is displayed, press the **ENTER (⏎)** button.
Result: The clock starts and is displayed.

➢
- You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.
- You can also use ⏮, ⏭ buttons or the **EASY SEARCHING JOG** control on the main unit to instead of **TUNING/ALBUM** button ∧ or ∨ in step **4**, **6**.
- For more information of the TIMER function, please refer to the page 18.





ENG

Loading and Changing Compact Discs

The CD disc changer can contain up to three 12 cm or 8 cm compact discs without using an adapter.

☛ Never force the compact disc carrousel when opening and closing the compartment.
Never press down or place objects on the carrousel.

➢ Always treat your compact discs with care; refer, if necessary, to the section entitled "**Precautions When Using Compact Discs**" on **page 23** .

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Press the **OPEN/CLOSE** button on the main unit.
Result: The compartment opens.

3 Place one disc in the front slots of the carrousel, with the label on the discs facing upwards.

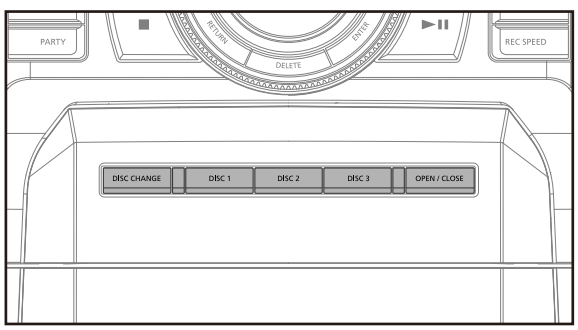
☛ Check that the compact disc has been correctly inserted in the holder before closing the compartment.

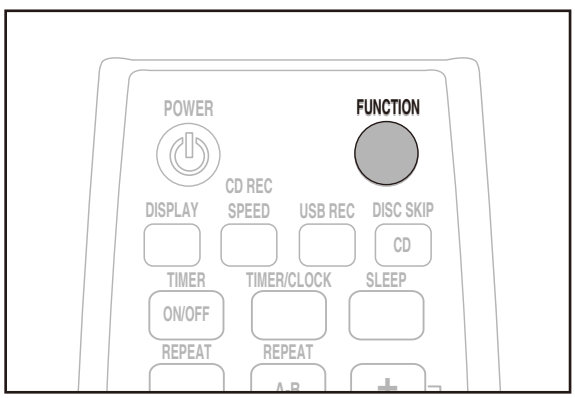
4 If you wish to load another compact disc, press the **DISC CHANGE** button on the main unit (or the **DISC SKIP** button on the remote control).
Result: The carrousel rotates by 120°.

5 Close the compartment by pressing the **OPEN/CLOSE** button again.
Result: Playback starts automatically.

➢ To change or unload the compact discs, repeat step 2 to 5.

☛
- Keep the compartment closed whenever you are not using it, to prevent dust from entering.
- Do not use force when closing the Compact Disc Compartment, as it may cause damage to the the Compact Disc Compartment.
- You can load or unload compact discs when the radio, USB or auxiliary source function is selected, and when you press the **OPEN/ CLOSE** button, all of the other functions will be changed to the **MP3/ CD** mode.





To play the CD/MP3/WMA-CD

This is a player that enables the playback of audio CD, CD-R, CD-RW and MP3/WMA-CD.

☛ Do not use CDs of irregular shapes like heart or octagon shapes.
The performance of the player may be degraded.
At least more than one CD should be inserted for playbacks.

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Press the **MP3/CD** button on the main unit to select the CD function.
You can select **MP3/CD** by pressing the **FUNCTION** button on the remote control.

3 Insert more than one CD, or a MP3/WMA-CD in the each holder of the Compact Disc Compartment.
Result: Playback starts automatically.

➢
- If there are more than one CD or an MP3/WMA-CD inserted, replays are then processed in order.
- Your CD Player will take a few moments to scan through all the tracks recorded on a particular MP3/WMA-CD.
- The English name of the song may be indicated on the display only if directly downloaded from the PC or if the purchased MP3/ WMA-CD is sorted according to titles(directory). (Other languages besides English may not be indicated.)
- The English name of the track may not be indicated depending on the characteristics of the MP3/WMA-CD.

<CD/MP3/WMA-CD Playback Display>

Track Indicator — 002 00019 — Playtime Indicator

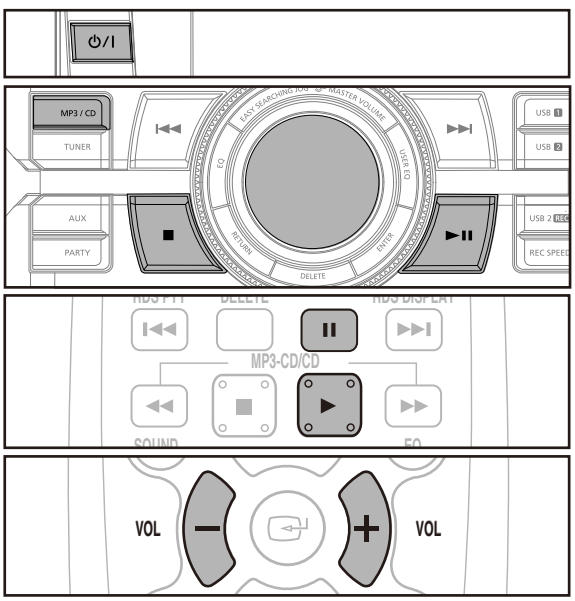
4 Adjust the volume.
- Turn the **VOLUME** knob.
- Press the **VOL +** or **—** button on the remote control.

The volume level can be adjust in 31 steps (VOLUME MIN, VOLUME 01- VOLUME 29, and VOLUME MAX).

5 To pause playback temporarily, press the **▶II** button on the main unit.
Press the **▶II** button again to continue playing the disc on the main unit.
To pause playback temporarily, press the **PAUSE** (**II**) button on the remote control.
Press the **PLAY**(**▶**) button to continue playing the disc on the remote control.

6 To stop playback, press the **STOP** (**■**) button.

➢
- If there is not even one CD inserted in the CD tray, it is indicated as "**NO DISC**".
- If the CD Repeat function is not selected, 3 CDs automatic playback.
- The quality of MP3/WMA-CD playback may vary depending on the condition of the disc containing the music files or the condition of the recorder with which the disc was created.
- If different types of files or unnecessary folders are on the same disc, you will have problems with playback.
- A maximum of 999 tracks can be played per MP3-CD.

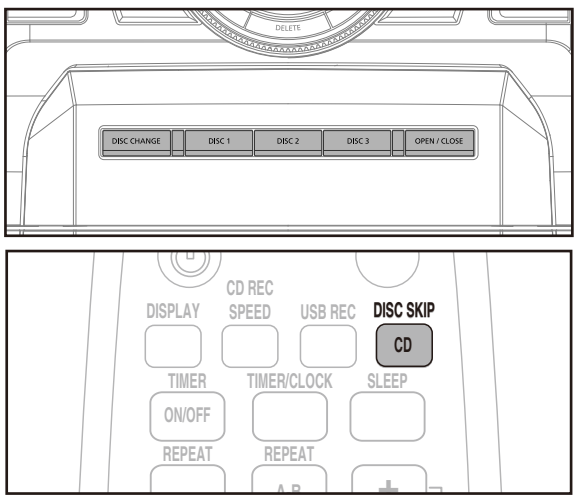


Selecting a CD in the Disc changer

- To select a specific disc, press the **DISC SKIP** button on the remote control or the **DISC CHANGE** on the main unit, until the required disc indicator flashes.
  Result: Each disc is selected.

  or

- Press the **Disc 1, Disc 2** or **Disc 3** button on the main unit to select a specific disc while the Compact Disc Compartment is closed.
- If the selected disc is not loaded, the next disc is played automatically.



Selecting a Track

You can select the track you wish to listen to when a disc is playing.

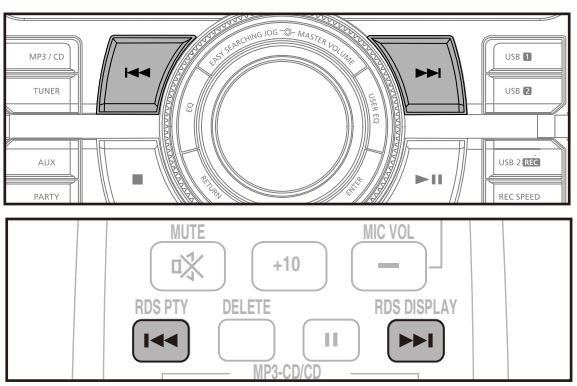
To play the previous track
Press the ⏮ button within 3 seconds after the current track started playing.
Press the ⏮ button twice 4 seconds later after the current track started playing.

To play the next track
Press the ⏭ button.

To play the current track
Press the ⏮ button 4 seconds later after the current track started playing.

To play the track of your choice
Press the ⏮ or ⏭ button the appropriate number of times.

- You can also use the ⏮, ⏭ button on the remote control to select a track.



Searching a Track/Folder Quickly

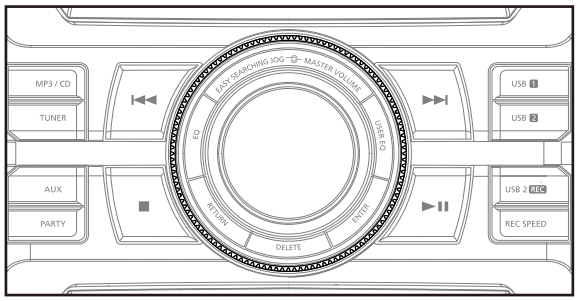
You can select a track/folder directly without the ⏮,⏭ button.

CDDA

1. Turn the **EASY SEARCHING JOG** control left or right on the main unit to select a desired track.
2. Press the **ENTER** button on the main unit.
   - You can move to the selected track directly.

MP3/WMA CD

1. Turn the **EASY SEARCHING JOG** control left or right on the main unit to move to the previous/next folder.
   - Your CD Player will take a few seconds to search the previous/next folder.
   - "SEARCHING" is displayed.
2. When the searching is done, you will see the previous/next folder name. The track will start playing.

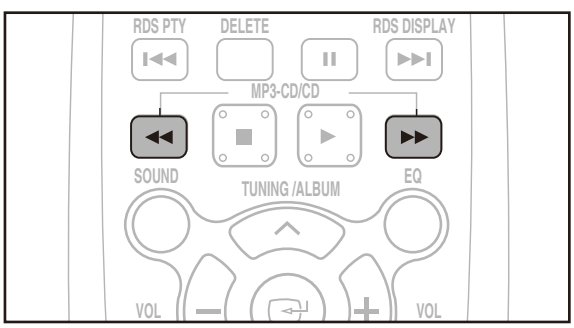


Searching for a Specific Music Passage on a CD

When listening to a compact disc, you can quickly search for a specific music passage on a track.

To search through the tracks...	Press ...
Forwards	▶▶
Backwards	◀◀

- You can also press and hold the ⏮,⏭ button on the main unit to auto search through the tracks.



ENG

➢ **What is WMA?**
- WMA means Windows Media Audio, the global standard for audio signal compression technology.

➢ **What is MP3?**
- MP3 means MPEG1 Layer 3, the global standard for audio signal compression technology. It uses digital compression technology to compress original sound data by up to 12 times without sound quality degradation.

➢ **File Compatibility**
- The unit will playback files created in MP3 format (Mpeg1.Layer3) with *.mp3 as their extension,and some WMA files with.WMA extension can't be playback.
- Playback will be impossible for the file of MP2 or 22KHz.

➢ **How many MP3 files can a CD-R or CD-RW disc record?**
- The maximum capacity of one CD-R or CD-RW disc is 680MB.
- Normally, one MP3 file has a capacity of 4MB, therefore approximately 170 files can be recorded on a single disc.

➢ **Regarding the playback of CD-R/RW**
- In the case of an original CD-R(Recordable) recorded in audio CD format, CD-RW(Rewritable) and editing by the user, playback is processed on the respective completed status. (The player may not be played back according to the characteristics of the CD or recorded status.)
- The CD-RW is comparably less reflexive than CD which causes more time delay to read.

Repeating One or All Tracks on the Compact Discs

You can repeat indefinitely:

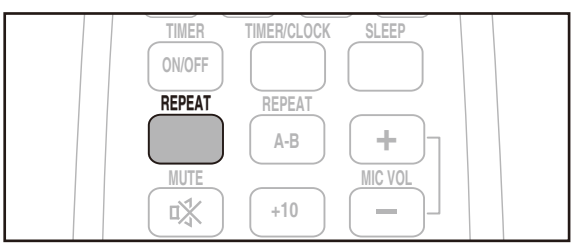
- A specific track on a compact disc.
- All tracks on the compact disc selected.
- All discs loaded in the carrousel

1 Press the **REPEAT** button.
Each time you press the **REPEAT** button, the repeat mode will change as following:

MP3: RPT OFF → RPT TRACK → RPT DIR → RPT ALL → RANDOM

CD: RPT OFF → RPT TRACK → RPT DISC → RANDOM

2 When you wish to stop the Repeat function, press the **REPEAT** button until **RPT OFF** is displayed.
- **RPT OFF:** Cancels Repeat Playback.
- **RPT TRACK:** Repeatedly plays the selected track.
- **RPT DIR:** Repeatedly plays all tracks in the selected folder.
- **RPT DISC:** Repeatedly plays the entire disc.
- **RPT ALL:** Repeatedly plays all tracks.
- **RANDOM:** Plays tracks in random order.



A-B Repeat Playback

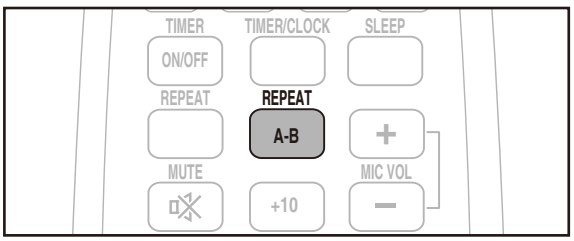
You can repeatedly play back a designated section of a CD.

1 Press the **REPEAT A-B** button at the beginning of desired part.
- **RPT A-** will be displayed.

2 Press the **REPEAT A-B** button at the ending of desired part.
- **RPT A-B** will be displayed.

3 To cancel REPEAT A-B function, press **REPEAT A-B** button again.
'RPT OFF' will be displayed.

➢ REPEAT A-B function is available within a track.



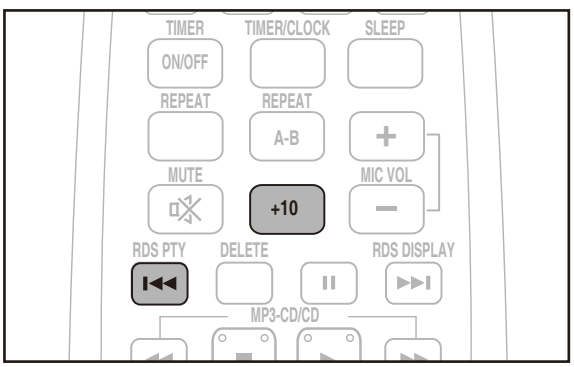
Function to skip through 10 tracks at a time

Press the +10 button briefly while playing back a CD and MP3/WMA-CD . The track 10 tracks after the current one will then be played back.

Example: If you want to select track 43 during playback of track 5, press the **+10** button four times, and then press the ⏮ button two times .

5 → 15 → 25 → 35 → 45 → 44 → 43

+10 +10 +10 +10 ⏮ ⏮



Programming the Order of CD Playback
(This function is not available during playback of an MP3/WMA-CD.)

You can decide:
- The order of the track desired to listen
- The track not desired to listen

➢
- You can program up to 24 tracks.
- You must stop the compact disc player before selecting the tracks.

1 If the CD function is selected, stop the player by pressing the **STOP** (■) button.

2 Press the **ENTER ( )** button.
Result: The following indications are displayed:

PROG 01: --

(01 = Program no., -- -- = Track no. on the disc)

3 Select the required track by pressing the ⏮, ⏭ button:
- Press the ⏮ button to move back through the tracks.
- Press the ⏭ button to move forward through the tracks.

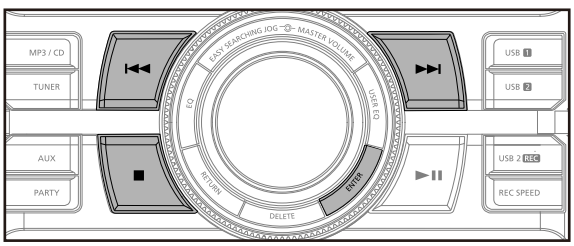
4 Press the **ENTER ( )** button to confirm your selection.
Result: The selection is stored and PROG 02: -- is displayed.

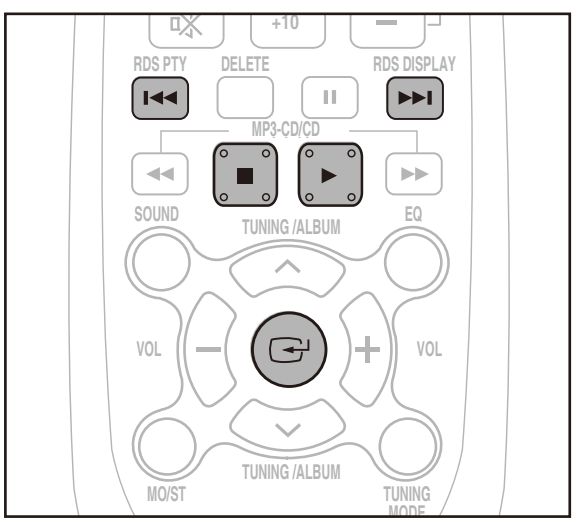
5 To select other tracks, repeat Steps **3** to **4**.

6 Press **PLAY** (▶) to listen to the track selection in the order programmed.

7 When press the **STOP** (■) button one time , compact disc player is stopped, and press the **STOP** (■) button again to cancel the selection.

➢ If you open the compartment or turn off the power or change function, the selection is cancelled.





Checking or Changing Programmed CD Tracks

You can check or change your selection of tracks at any time.

1 Press the **STOP** (■) button once if you have started listening to the selection.

2 Press the **ENTER ( )** button.
Result: The following indications are displayed:

CH 01: 01

(CH = Check, 01=Program No, -- -- = Track No on the disc)

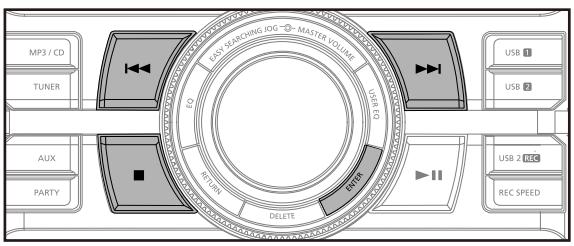
➢ If you have already programmed 24 tracks, **CH** is displayed instead of **PROG** when you press the **ENTER ( )** button.

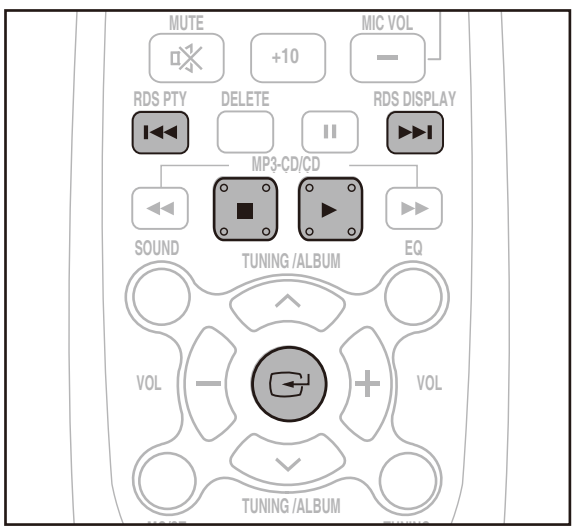
3 Press the **ENTER ( )** button once or more times until the track to be changed is displayed.

4 Press ⏮ or ⏭ button to select a different track.

5 Press the **ENTER ( )** button to confirm your change.

6 Press the **PLAY** (▶) button to start listening to the selection.
Result: The first track selected is played.





ENG

Playing USB

You can play MP3/WMA files by connecting to various external USB storage devices such as USB flash memory or HDD(Hard Disc drives).

1 Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.

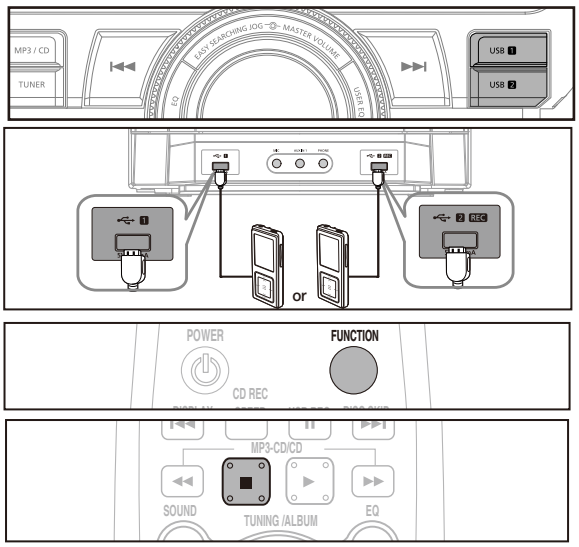
2 Select the USB mode by pressing the **USB1** or **USB 2** button on the main unit.
You can select USB1 or USB2 by pressing the **FUNCTION** button on the remote control.

- The first track of the first directory plays automatically.
- The play order is as below:

If you select USB1, USB1 ➡ STOP.
If you select USB2, USB2 ➡ STOP.

➢ **To stop playing**
Press the **STOP** (■) button to stop playing.

➢ **To remove the USB device**
If you press the **STOP** (■) button once again, you can remove the USB device safely.



Do not connect a USB charging device to the USB connection port on the player, because it may cause damage to the product.

Please be aware of the following before using USB.

- Some external USB storage devices may not be compatible with this player.
- With external HDD, FAT format can be played.
- With USB 2.0 HDD, connect to a separate power source.
  If it's not connected to a separate power source, it may not work.
- If memory of an external USB storage device is segmented into several parts, MP3 files of only the first hard disk drive can be played.
- DRM applied files are not played.
  Digital Rights Management (DRM): Technology and service that protect the profit and rights of copyright owners by disallowing unauthorised use of digital contents.
- Even if the file name ends with .mp3, the file does not play if actual file format is MPEG layer 1 or 2.
- Do not use a USB hub as it will not be recognized.
- Up to 16 letters of MP3/WMA file name will be shown.

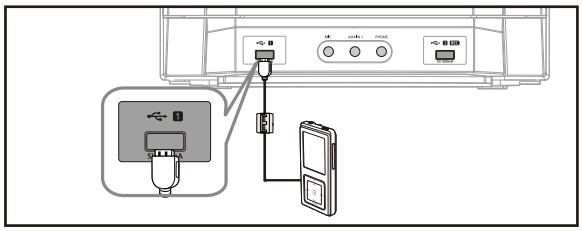
Delay

- When selecting USB function, file reading (READ-IN) may take several minutes.
- When playing a USB device, there may be a delay then advancing to the next track, especially with HDD.
  The operation time of external USB storage devices will vary; even when they are of the same capacity.
- If the external USB storage device supports only USB VER1.1 and the access speed is slow,the file may not property.

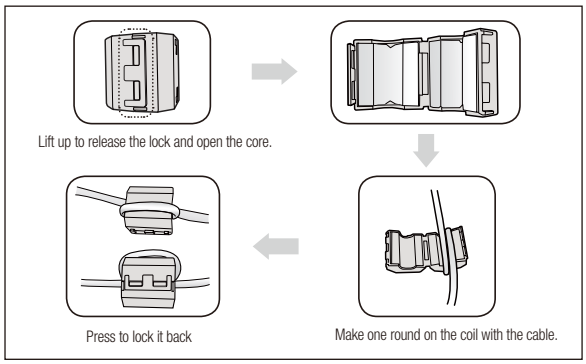
Attaching the toroidal ferrite core to the USB cable (optional)

If you attach a Toroidal ferrite core to the USB cable, it will help to prevent RF interference from radio signals.

1. Pull the fixing tab of the Toroidal ferrite core to open it.
2. Attach the Toroidal ferrite core to the USB cable as shown and press it until it clicks.



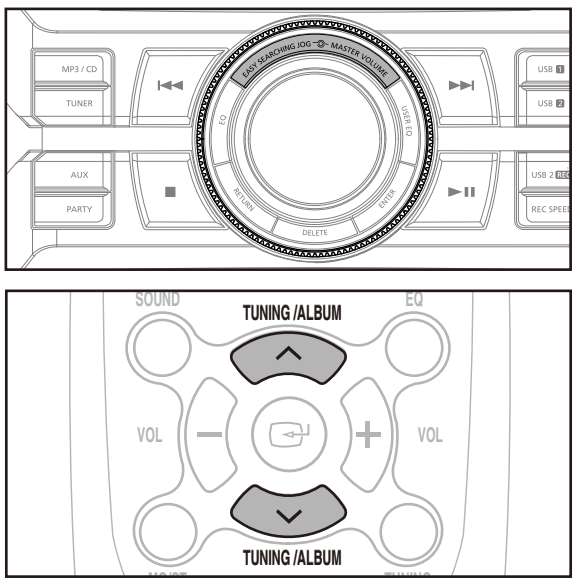
Installing Toroidal ferrite to USB cable



Searching a Folder Quickly

1 Turn the **EASY SEARCHING JOG control** left or right on the main unit or press the **TUNING/ALBUM** button on the remote control to move to the previous/next folder.

2 When the searching is done, you will see the previous/next folder name. The track will start playing.



Playing USB(continue)

ENG

Selecting a Track from USB Device

You can select an MP3 file during the play.

Before you begin! ◆ Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
◆ Select the USB mode by pressing the USB1 or USB 2 button on the main unit.

➢ If you want to move the next/previous(track), press the ⏮,⏭ button shortly.

- ◆ It moves the next/previous file within the directory.
- ◆ If you press the ⏮,⏭ button more times than the number of the files in the directory, it will move over to the next directory.

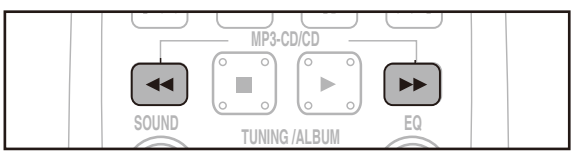
To use high speed search

Before you begin! ◆ Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
◆ Select the USB mode by pressing the USB1 or USB 2 button on the main unit.

You can search the desired section quickly during the play.

➢ Press the ◀◀, ▶▶ button.
◆ Whenever you press the button, you can search backward or forward quickly.

☛ When you use the high speed search function, there is no sound.

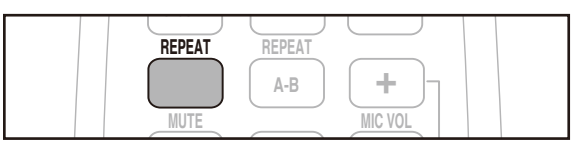


To repeat

Before you begin! ◆ Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
◆ Select the USB mode by pressing the USB1 or USB 2 button on the main unit.

1 Press the **REPEAT** button.
Each time you press the **REPEAT** button, the repeat mode will change as following:
RPT OFF → RPT TRACK → RPT DIR → RPT ALL → RANDOM

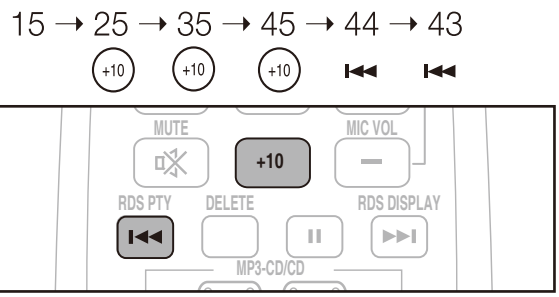
2 When you wish to stop the Repeat function, press the **REPEAT** button until **RPT OFF** is displayed.
- ◆ **RPT OFF:** Cancels Repeat Playback.
- ◆ **RPT TRACK:** Repeatedly plays the selected track.
- ◆ **RPT DIR:** Repeatedly plays all tracks in the selected folder.
- ◆ **RPT ALL:** Repeatedly plays all tracks.
- ◆ **RANDOM:** Plays tracks in random order.



To skip next 10 tracks

Before you begin! ◆ Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
◆ Select the USB mode by pressing the USB1 or USB 2 button on the main unit.

➢ Press the **+10** button on the remote control shortly during the play.
Example: If you want to select 43rd track while 15th track is playing, press the **+10** button 3 times, and then press the ⏮ button 2 times .



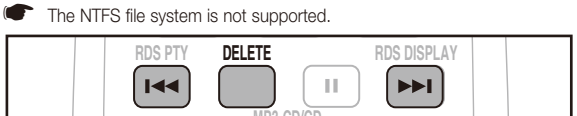
To delete a file

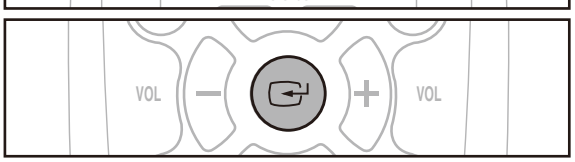
You can delete a file on your USB device.

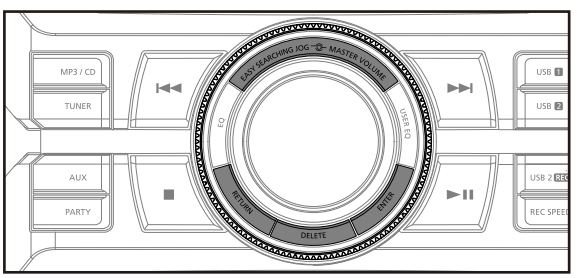
Before you begin! ◆ Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
◆ Select the USB mode by pressing the USB1 or USB 2 button on the main unit.

1. Play a file you want to delete.
2. Press the **DELETE** button.
3. Turn the **EASY SEARCHING JOG Control** left or right on the main unit or press ⏮,⏭ button on the remote control to select YES.
To cancel the selection, press the **RETURN** button on the main unit.
4. Press the **ENTER** button on the remote control.
The selected file will be deleted.

☛ The NTFS file system is not supported.







ENG

Searching for and Storing the Radio Stations

You can store up to: 15 FM stations, 15 AM stations.

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Select TUNER by pressing the **TUNER** button on the main unit.
You can select TUNER by pressing the FUNCTION button on the remote control.

3 Select FM or AM by pressing the **TUNER** button again in the TUNER mode on the main unit.

4

To search for a station	Press TUNING MODE button
Preset	Once or more times until **PRESET** is displayed. You can search the stored frequencies in the Preset mode.
Manually	Once or more times until **MANUAL** is displayed. You can search the frequencies one by one in the Manual mode.

5 Select the station to be stored by:

- Press the **TUNING/ALBUM** ∧ or ∨ button on the remote control.
  or
  Turn the **EASY SEARCHING JOG control** left or right to search the station.
- To scroll through the frequencies faster when searching manually, press and hold the **TUNING/ALBUM** ∧ or ∨ on the remote control.
- The automatic search procedure may stop on a frequency that does not correspond to a radio station. If this happens, use the Manual mode.

6 Adjust the volume by:
- Turning the **VOLUME** knob on the front panel
or
- Pressing the **VOL +** or **–** buttons on the remote control

7 Select the FM stereo or mono mode by pressing **MO/ST**.
- In the AM Radio, the MO/ST button does not work.

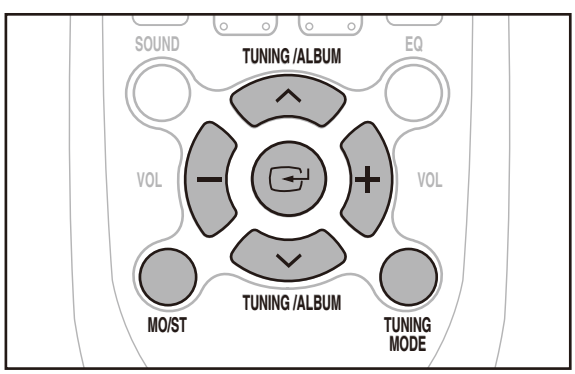
8 If you do not want to store the radio station found, revert to Step **4** and search for another station.
Otherwise:

a Press the **ENTER (⏎)** button.

b Press the **ENTER (⏎)** button to store the radio station.

9 To store any other radio frequencies required, repeat Steps **3** to **7**.

➢ **In Tuner mode**
- In the Manual mode, you can use ⏮ or ⏭ button on the main unit to manual search a radio station.
- During the Auto Searching mode, press **STOP(■)** button on the main unit to stop auto searching.
- In the Preset mode, you can use ⏮ or ⏭ button or the **EASY SEARCHING JOG** control on the main unit to search a stored radio station.



Selecting a Stored Station

You can listen to a stored radio station as following:

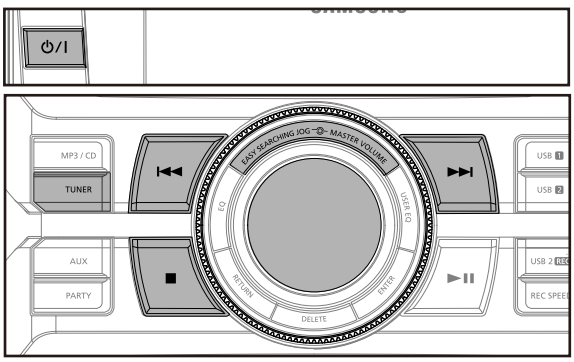
1 Switch the system on by pressing the **POWER (⏻ / I)** button.

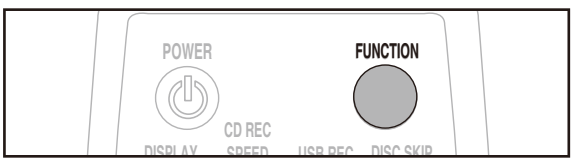
2 Select TUNER by pressing the **TUNER** button on the main unit.
You can select TUNER by pressing the **FUNCTION** button on the remote control.

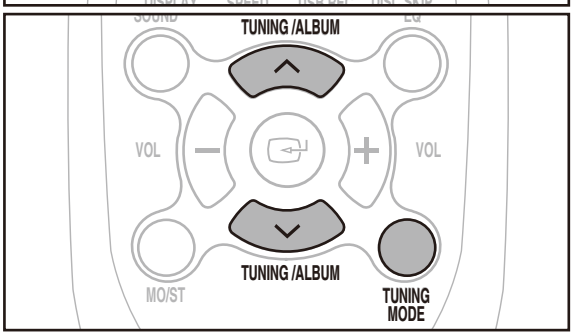
3 Select FM or AM by pressing **TUNER** button again in the TUNER mode on the main unit.

4 Press the **TUNING MODE** button on the remote control until "**PRESET**" is displayed.

5 Press ⏮ or ⏭ to select the stored station on the main unit.
or
Turn the **EASY SEARCHING JOG control** left or right on the main unit to select the stored station.
or
Select the stored station by pressing the **TUNING/ALBUM** ∧ or ∨ button on the remote control.
Result: The stored station is now received.

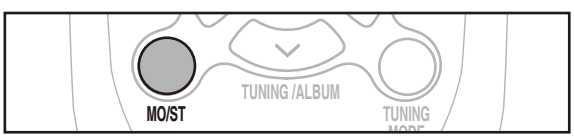






Improving Radio Reception

You can improve the quality of radio reception by:
- Rotating the FM antenna
- Testing the positions of the FM antenna before fixing them permanently
- If reception from a specific FM radio station is poor, press the **MO/ST** button to switch from stereo mode to mono.
  The quality of the sound will be improved.
- In the AM Radio, the **MO/ST** button does not work.



Recording Function

You can record sound of the CD, the Radio Broadcasting or sound from the external source into the USB storage device.

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Connect the external USB storage device you want to record to the USB 2 jack (2 REC) of the main unit.

3 Play a Disc, adjust the Radio frequency or connect the external source to the main unit.

CD (See page 10)

- Press the **MP3/CD** button on the main unit to select the CD function.
- Press the **OPEN/CLOSE** button to open the Compact Disc Compartment.
- Insert a CD and press the **OPEN/CLOSE** button to close the Compact Disc Compartment.
- Use the ⏮ or ⏭ button to select the desired song.

Tuner (See page 16)

- Press the **TUNER** button on the main unit to select the Radio function.
- Adjust the Radio frequency you want to record.

External Source (See page 8)

- Connect an External Component/MP3 player to the main unit.
- Press the **AUX** button to select the AUX input.
- Play a song from the external device.

4 Press the **USB REC** button on the remote control or the **USB 2 REC** button on the main unit to start recording.

CD

- "TRACK RECORDING" is displayed and CD recording starts.
- Press and hold the **USB 2 REC** button on the main unit or press and hold the **USB REC** button on the remote control to start recording the all tracks of Disc.
  "RECORDING" is displayed.
- If you record the MP3 CD, the file is copied into the USB device totally.
  "CHECK FILE"→"COPY"→"COMPLETE" is displayed. When the recording is done, "STOP" will be displayed.
- If there is the same file name, "FILE EXISTED" is displayed, and the function is canceled.

Tuner /External Source

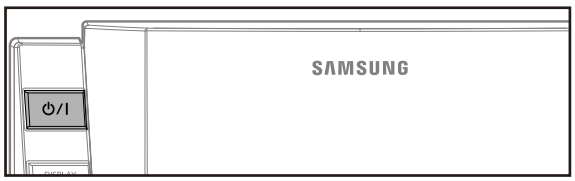
- RECORDING is displayed.

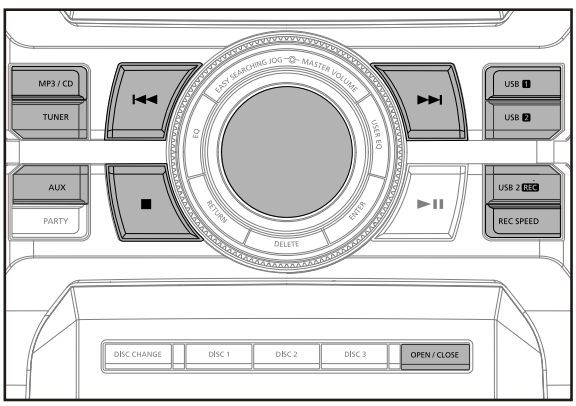
5 To stop recording, press the **STOP** (■) button and then automatically create and save as the MP3 file.

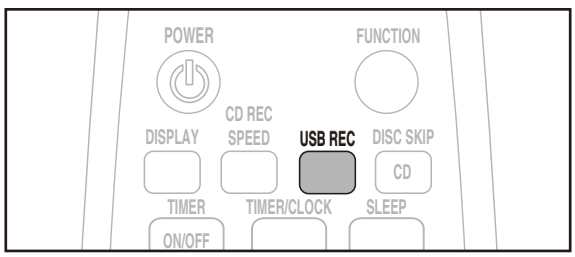
6 To remove the USB device safely, press the **STOP** (■) button once again.

- After the recording, a directory named "RIPPING"(CD), "CD COPY"(MP3 CD/USB), "TUNER RECORDING" or "AUX RECORDING" will be created in your device.

- Do not disconnect the USB or the AC Cord during the recording as this may cause file damage.
- If you disconnected USB device during the recording, the main unit will be power off and you may not delete the recorded file, In this case, please connect the USB device to the PC and backup the USB data on the PC first and then format the USB device.
- When the USB memory is not enough, it will be displayed "NOT ENOUGH MEMORY".
- The recording works if the USB device or the HDD is formatted in the FAT file system. (The NTFS file system is not supported.)
- When you use CD high speed search function, the CD recording can't work.
- Sometimes, the recording time may be longer with some USB devices. (See page 14)
- In the program mode, you can't use the CD recording function. (See page 13)
- When the CD recording, the EQ and GIGA SOUND functions can not work and automatically change to OFF.
- When the CD recording, the REPEAT function can not work and automatically changes to OFF.
- If you use the MIC function during the CD recording, the voice from the microphone will be recorded.
- You can not record the radio when searching or no available frequencies in the Tuner mode.
- Note that setting the input level too loud when recording music from an external device through the AUX and USB channel may introduce noise into the recording. In that case, lower the external device's volume level.





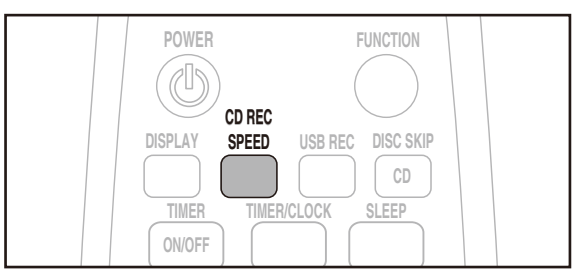


Recording Speed

Each time you press the **CD REC SPEED** button on the remote control or the **REC SPEED** on the main unit, the recording speed will change as following:

RECORD x 1→RECORD x 4

- While the Tuner or External Source is recording, the recording speed does not supported.
- When you select **RECORD x 4**, the audio sound will not be output.



Timer Function

ENG

The timer enables you to switch the system on or off at specific times automatically.
Example: You wish to wake up to music every morning.

- ◆ Before setting the timer, check that the current time is correct.
- ◆ For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

➢ If you no longer want the system to be switched on or off automatically, you must cancel the timer by pressing the **TIMER ON/OFF** button.

---

1 Switch the system on by pressing the **POWER (⏻ / I)** button.

2 Press the **TIMER/CLOCK** button until **TIMER** is displayed.

3 Press the **ENTER (↵)** button.
Result: **ON TIME** is displayed for a few seconds, you can set the timer switch-on time.

4 Set the timer switch-on time.
- **a** Press the **TUNING/ALBUM** ∧ or ∨ button to set the hours.
- **b** Press the **ENTER (↵)** button.
  Result: The minutes flash.
- **c** Press the **TUNING/ALBUM** ∧ or ∨ button to set the minutes.
- **d** Press the **ENTER (↵)** button.

Result: **OFF TIME** is displayed for a few seconds, you can now set the timer switch-off time.

5 Set the timer switch-off time.
- **a** Press the **TUNING/ALBUM** ∧ or ∨ button to set the hours.
- **b** Press the **ENTER (↵)** button.
  Result: The minutes flash.
- **c** Press the **TUNING/ALBUM** ∧ or ∨ button to set the minutes.
- **d** Press the **ENTER (↵)** button.

Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.

6 Press the **TUNING/ALBUM** ∧ or ∨ button to adjust the volume level and press the **ENTER (↵)** button.
Result: The source to be selected is displayed.

7 Press the **TUNING/ALBUM** ∧ or ∨ button to select the desired source to be played when the system switches on.

If you select...	You must also...
FM/AM (radio)	**a** Press the **ENTER (↵)** button.
	b Select a preset station by pressing the **TUNING/ALBUM** ∧ or ∨ button.
CD/MP3 (compact disc)	Load one or more compact discs.
USB1	Connect the USB device.
USB2	Connect the USB device.

8 Press the **ENTER (↵)** button.
Result: **CHECK REC** (Do you want to record?) is displayed.

9 Press the **ENTER (↵)** button.
Result: **RECORD N** is displayed, you can press the **TUNING/ALBUM** ∧ or ∨ button to select the **RECORD Y** or **RECORD N**, and then press **ENTER** button.

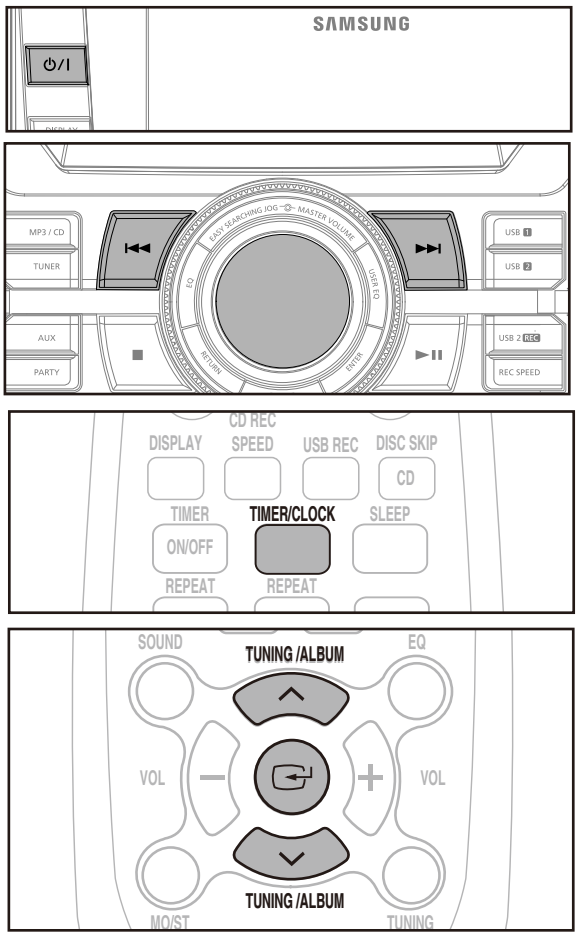
1). If you select the RECORD N, it will cancel tuner timing recording even if you have already set the tuner timing recording.

2). If you select the RECORD Y, you can set the tuner timing recording.

a. Press the **ENTER (↵)** button.
Result: **ON** is displayed for a few seconds, you can set the tuner timing recording switch-on time.

b. Press the **ENTER (↵)** button.
Result: **OFF** is displayed for a few seconds, you can set the tuner timing recording switch-off time.

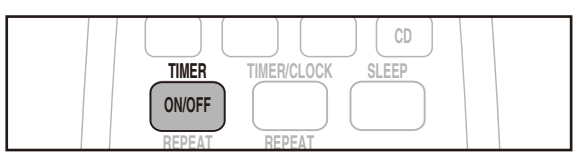
➢
- ◆ The maximal tuner timing recording time is 5 hours.
- ◆ If the timer switch on and off times are identical, the word **ERROR** is displayed.
- ◆ You may use ⏮, ⏭ buttons on the main unit to instead of the **TUNING/ALBUM** ∧ or ∨ button to adjust in step **5** to 9.
- ◆ If the switch-on or -off time is the same as the timing recording time, only the switch-on or -off time is effective, and the timing recording time is not applied.



Cancelling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

To...	Press the TIMER ON/OFF button....
Cancel the timer	Once.
	Result: ⏲REC is no longer displayed.
Restart the timer	Twice.
	Result: ⏲REC is displayed again.



Selecting EQ Mode

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

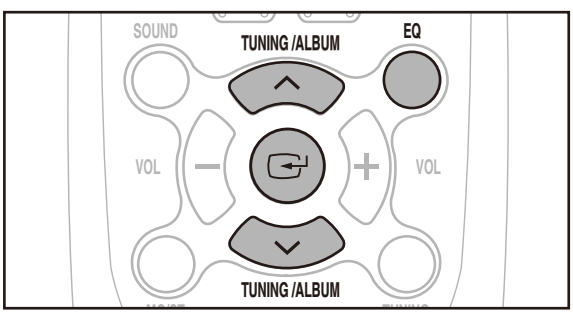
1 Press the **EQ** button until the required option is selected.

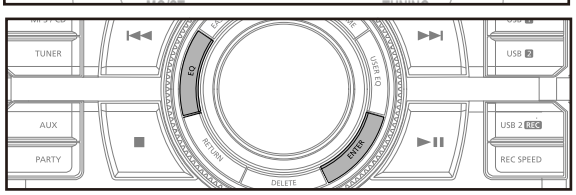
Select...	To obtain a...
OFF	Normal balance (linear)
RANCHERA	Banlace suitable for Ranchera Music.
SAMBA	Banlace suitable for Samba Music.
CUMBIA	Banlace suitable for Cumbia Music.
HABANERA	Banlace suitable for Habanera Music.
BOOM BA	Banlace suitable for Boom Ba Music.
REGGAE	Balance suitable for Reggae Music
PARTY	Balance suitable for Party Music
POP	Balance suitable for Pop Music
HIP HOP	Balance suitable for Hip Hop Music
ROCK	Balance suitable for Rock Music
JAZZ	Balance suitable for Jazz Music
CLASSIC	Balance suitable for Classic Music
FLAT	Balance suitable for Flat Music
STADIUM EQ	Banlace suitable for Stadium EQ Music.
DYNAMIC.S	Banlace suitable for Dynamic Spot Music.
MP3 ENHANCER	Banlace suitable for MP3 Enhancer Music.
VIRTUAL SOUND	Banlace suitable for Virtual Sound Music.
U1 + 0 +0 +0	Banlace suitable for User EQ 1 mode Music.
U2 + 0 +0 +0	Banlace suitable for User EQ 2 mode Music.
U3 + 0 +0 +0	Banlace suitable for User EQ 3 mode Music.

2. Set the BASS (left numeric), MIDDLE (middle numeric), TREBLE (right numeric) level.

Press the **ENTER** button when you select the U1 + 0 +0 +0/U2 + 0 +0 +0/U3 + 0 +0 +0.
Result: The BASS level(left numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: The MIDDLE level(middle numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: The TREBLE level(right numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: setting is completed.

- When CD Recording, the EQ function can't work and the EQ automatically switches to "OFF" mode.
- If no buttons is pressed within 8 seconds, your settings will automatically be cancelled and the previous settings will be saved.
- You can use the **EASY SEARCHING JOG** control instead of the **TUNING/ALBUM** ^ or v button to select the level.
- You can use the ⏮ or ⏭ instead of the **TUNING/ALBUM** ^ or v button to select the level.





Selecting USER EQ Mode

You can directly select the User EQ mode by press the USER EQ button.

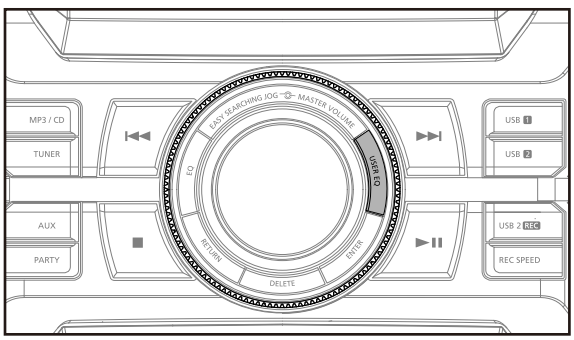
1 Press the **USER EQ** button on the main unit until the required option is selected.

Select...	To obtain a...
U1 + 0 +0 +0	Banlace suitable for User EQ 1 mode Music.
U2 + 0 +0 +0	Banlace suitable for User EQ 2 mode Music.
U3 + 0 +0 +0	Banlace suitable for User EQ 3 mode Music.

2. Set the BASS (left numeric), MIDDLE (middle numeric), TREBLE (right numeric) level.

Press the **ENTER** button when you select the U1 + 0 +0 +0/U2 + 0 +0 +0/U3 + 0 +0 +0.
Result: The BASS level(left numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: The MIDDLE level(middle numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: The TREBLE level(right numeric) flash.
Press the **TUNING/ALBUM** ^ or v button to select from -06 to 06.
Press the **ENTER** button.
Result: setting is completed.

- When CD Recording, the EQ function can't work and the EQ automatically covery to "OFF" mode.
- If no buttons is pressed within 8 seconds, the setting will automatically be cancelled. and the anterior setting will be saved.
- You can use the **EASY SEARCHING JOG** control instead of the **TUNING/ALBUM** ^ or v button to select the level.
- You can use the ⏮ or ⏭ instead of the **TUNING/ALBUM** ^ or v button to select the level.



Using the Stadium Mode

You can directly select the Stadium mode for your listening music.

1 Press the **STADIUM** button on the main unit.

Each time you press this button, the mode will switch as following:

STADIUM → OFF

ENG

Using the DYNAMIC SPOT Mode

You can directly select the Dynamic spot mode for your music listening.

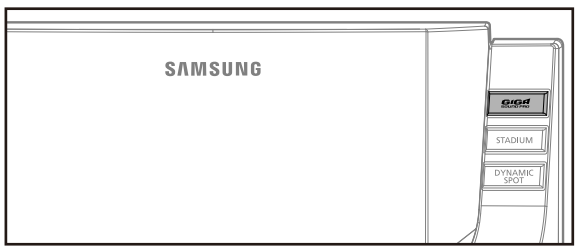
1 Press the **DYNAMIC SPOT** button on the main unit.
Each time you press this button, the sound mode will switch as following:
DYNAMIC.S → OFF

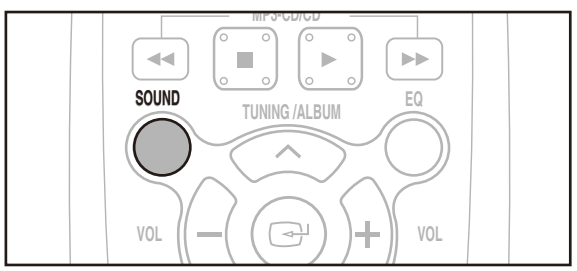
GIGA SOUND function

Your mini-compact system is equipped with the function of GIGA SOUND mode .
The function of GIGA SOUND mode amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

1 Press the **GIGA SOUND PRO** button on the main unit or the **SOUND** button on the remote control.
Each time press this button, the sound will switch as following:
GIGA SOUND → GIGA LOUD → GIGA EXPLO → OFF

2 To cancel this function, press the **GIGA SOUND PRO** button until the "**OFF**" is displayed.

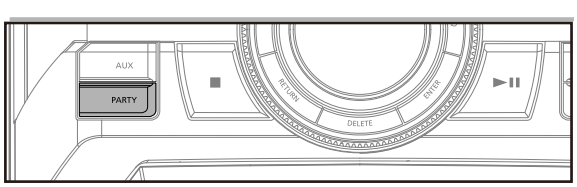




Party Function

1 Press the **PARTY** button.
Each time you press the **PARTY** button on the main unit, the party mode will change as following:
OFF → PARTY 1 → PARTY 2 → PARTY 3

You can choose a desired party mode.

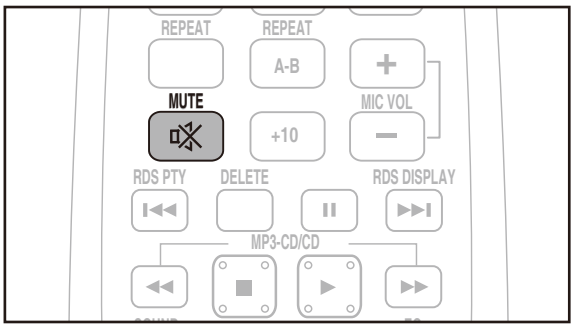


Mute Function

You can turn the sound off temporarily on your system.
Example: You wish to answer a telephone call.

1 Press the **MUTE** button.

2 To switch the sound back on , press the **MUTE** button again or the **VOLUME** buttons.



Setting the System to Switch off Automatically

While listening to music, you can set the system to switch off automatically.
Example: You wish to go to sleep while listening to music.

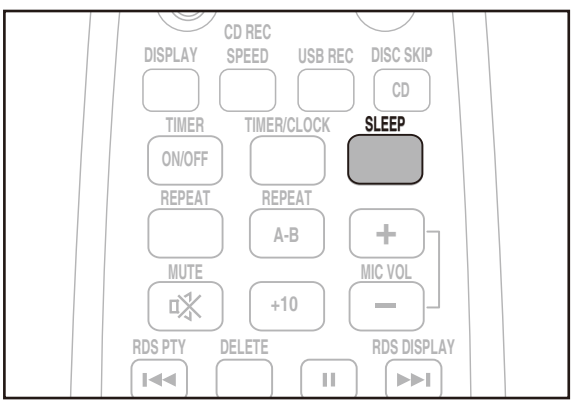
1 Press **SLEEP**.
Result: playback starts and the following indications are displayed:
SLEEP90MIN

2 Press **SLEEP** once or more times to indicate how long the system should continue playing before it switches off:
SLEEP90MIN → SLEEP60MIN→ SLEEP45MIN → SLEEP30MIN → SLEEP15MIN → SLEEPOFF

➢ At any time, you can:

- Check the remaining time by pressing **SLEEP**.
- Change the remaining time by repeating steps **1** and **2**.

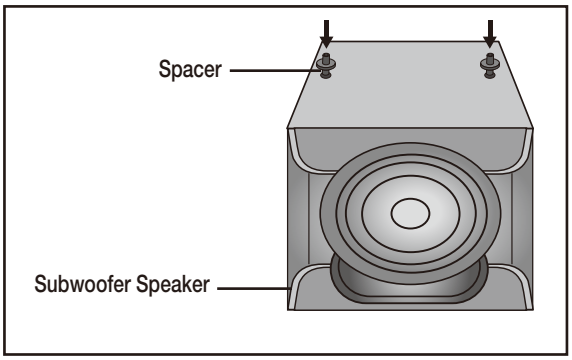
3 To cancel SLEEP function, press **SLEEP** once or more times until **SLEEPOFF** is display.



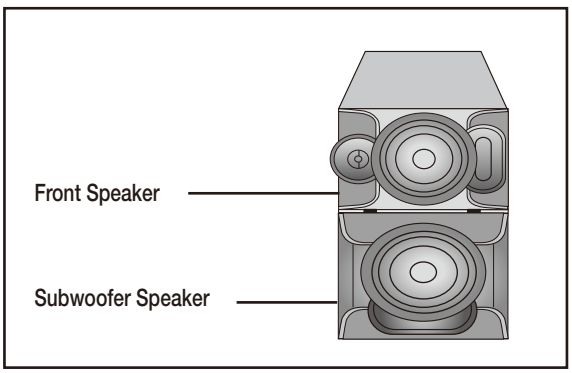
Stacking the Speakers (MX-D870 Only)

You can stack and install the speakers as described in the figure.

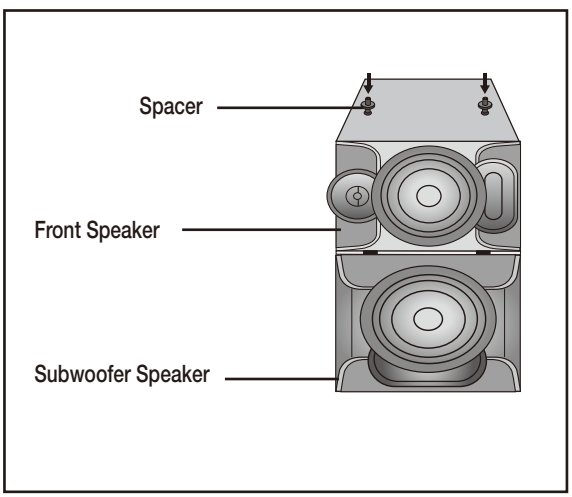
1 Insert 2 spacers into the holes of the Subwoofer (L) and fix them.



2 Stack the Front Speaker(L) horizontally on the Subwoofer(L).

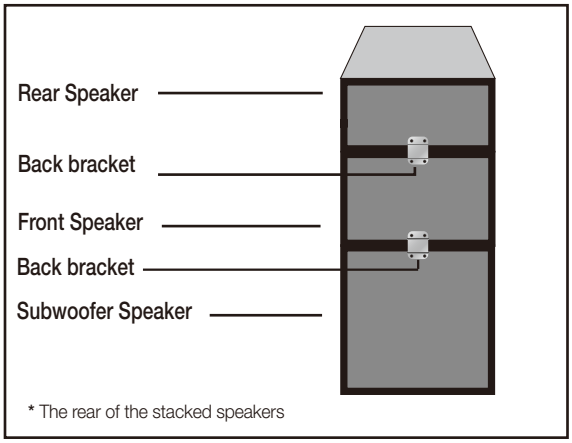


3 Insert 2 spacers into the holes of the Front Speaker(L) and fix them.



4 Stack the Rear Speaker(L) on the Front Speaker (L).

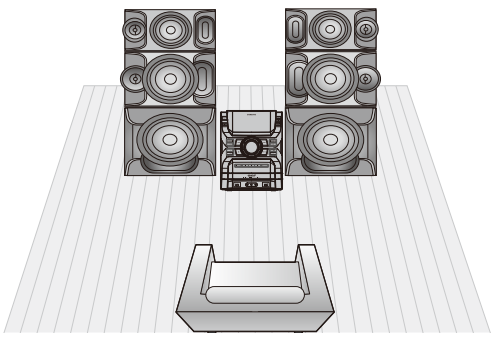
5 To fix the speakers securely, attach the back bracket on the rear of the Front speaker(L), Rear speaker (L) and Subwoofer speaker by fastening provided 8 screws.



* The rear of the stacked speakers

◆ Follow steps 1-5 above to stack the Right Speakers.

6 This is the completion of the speaker stack.



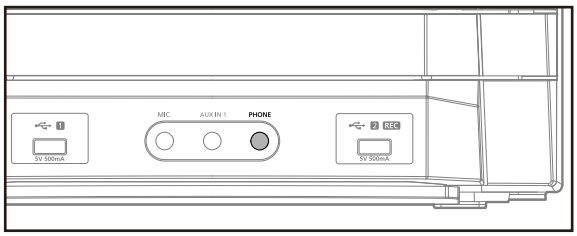
ENG

Connecting Headphones

You can connect a set of headphones to your mini-compact system so that you can listen to music or radio programme without disturbing other people in the room. The headphones must have a 3.5ø jack or an appropriate adapter.

Connect the headphones to the **PHONE** jack on the main unit.
Result: The speakers are no longer used to output the sound.

- Prolonged use of headphones at a high volume may damage your hearing.
- If you use the headphones, GIGA SOUND will automatically turn off. Even if you remove the headphones, it will not turn on.

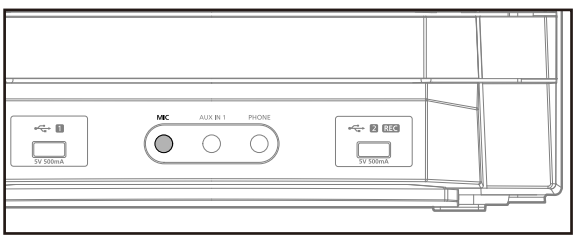


Connecting Microphone

You can also insert microphone to sing along with your favorite CDs.

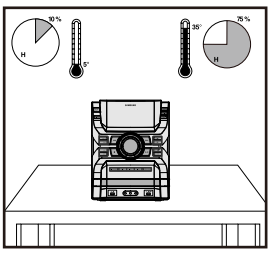
Plug a microphone with a 3.5ø MIC jack into the MIC terminal.

- Press the **MIC +,-** button on the remote control to adjust the Microphone Volume.
- If you use the Microphone, GIGA SOUND will automatically turn off. Even if you remove the microphone, it will not turn on.
- This Microphone function is available only when using the MP3/CD or USB function.

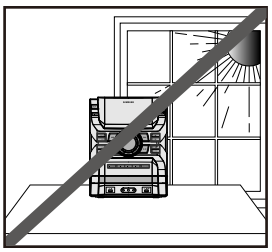


Safety Precautions

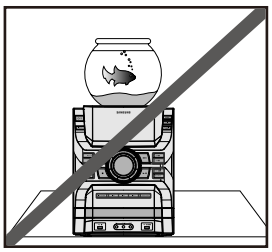
The following diagrams illustrate the precautions to be taken when using or moving your mini-compact system.



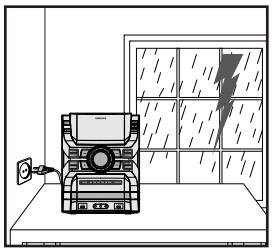
Ambient operating conditions:
Ambient temperature 5°C-35°C
Humidity 10-75%



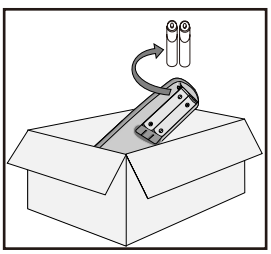
Do not expose the unit to direct sun radiation or other heat sources. This could lead to overheating and malfunction of the unit.



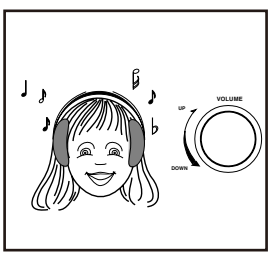
Do not place potted plants or vases on top of the unit. Moisture entering the unit could lead to dangerous electric shock and can cause equipment damage. In such events immediately disconnect the main plug from the socket.



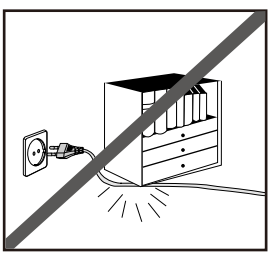
During thunderstorms, disconnect the main plug from the socket. Main voltage peaks due to lightning could damage the unit.



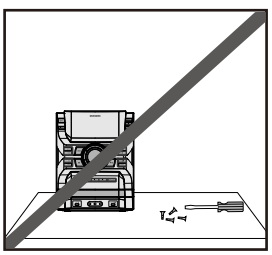
Remove the batteries from the remote control, if not used for any extended period.
Leaking batteries can cause serious damage to the remote control.



When using headphones, take care not to listen at excessive volumes. Extended use of headphones at high volumes will lead to hearing damage.



Do not place heavy items on the main lead. Main cable damage can lead to damage of the equipment (fire hazard) and can cause electric shock.



Do not disassemble, repair, or modify this unit on your own, as it may cause malfunction or a risk of electric shock.

Cleaning Your Mini-Compact System

To obtain the best possible results from your mini-compact system, you must clean the following elements regularly:

- The outer casing
- The compact disc player

Always unplug the system from the wall outlet:

- Before cleaning it
- If you are not going to be using it for a long time

Outer Casing

Clean the outer casing regularly using a soft cloth and a light detergent. Do not use abrasive powders, liquids or aerosol cleaners. Never let any liquids get into the system.

Compact Disc Player

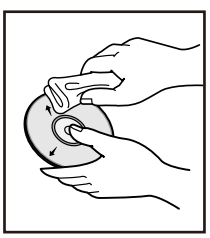
1 Before playing a compact disc, clean it with a special CD cleaning agent. Do not use the same cleaning agents as for vinyl LP records. Carefully wipe the disc from the centre outward.

2 Regularly clean the player with a special cleaning disc (available from your local dealer).

- If you will not be using the remote control for a long time, remove the batteries to prevent corrosion.
- Although your system is very hard-wearing, it should not be used in an excessively dusty environment or subjected to shocks or extreme heat (close to heating appliances or in direct sunlight, etc.).
- If the unit emits an unpleasant odor when in use, unplug it from the main supply and contact the after-sales service.

Precautions When Using Compact Discs

- Handle your compact discs with care. Always hold them by the edges to avoid leaving fingerprints on the shiny surface.
- When you have finished playing a compac disc, always put it back in its case.
- Do not fix paper or adhesive tape to the discs and do not write on the label.
- Clean them with a special-purpose cloth.
- Store your compact discs in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Always use compact discs marked .



Before Contacting the After-Sales Service

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It always takes a little time to become familiar with a new appliance. If you have any of the problems listed below, try the solutions given. They may save you the time and inconvenience of an unnecessary service call.

If the above guidelines do not allow you to solve the problem, take a note of:

- The model and serial numbers, normally printed on the rear of the system
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG after-sales service.

	Problem	Checks/Explanation
GENERAL	The system does not work	• *The main lead is not correctly plugged into a wall socket or the wall socket is not switched on.* • *The remote control batteries need replacing or the polarity has not been respected.* • *The **POWER** button has not been pressed.*
	There is no sound	• *The volume has been completely turned down.* • *The correct function (TUNER, MP3/CD, USB, AUX) has not been selected.* • *You have connected a set of earphones.* • *The loudspeaker wires have been disconnected.* • *The **MUTE** button has been pressed.*
	The Timer does not work	• *The timer has been stopped by pressing **TIMER ON/OFF**.*
	In case it does not work, even the action is taken as above.	• *Press the **STOP** button for 5 seconds in "NO DISC" mode, then it is returned the original position (RESET)*
CD/MP3/CD	The compact disc player does not start playing	• *The CD function has not been selected.* • *The disc has been inserted face down or is either dirty or scratched.* • *The laser sensor is dirty or dusty.* • *The system has not been installed on a flat, horizontal surface.* • *Condensation has formed in the player; leave the system in a warm, airy room for at least one hour.*
RADIO	Reception is poor or no radio stations are received at all	• *The **TUNER** function has not been selected.* • *The radio frequency has not been correctly selected.* • *The aerial has been disconnected or is not facing the right way. Turn it until you find the best orientation.* • *You are in a building that blocks radio waves; you must use an outside aerial.*

Technical Specifications

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SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

RADIO	
FM	
Signal/noise ratio	62 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.4 %
AM (Optional)	
Signal/noise ratio	40 dB
Usable sensitivity	58 dB
Total harmonic distortion	1.5 %
COMPACT DISC PLAYER	
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	70dB (at 1kHz, with filter, 2V)
Distortion	0.1 % (at 1 KHz)
Channel separation	75 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
AMPLIFIER	
Output power	
MX-D830- 560 Watts (10% THD)	
Front Speaker	280W/CH (6 Ω/100Hz)
MX-D830- 640 Watts (MAX. THD)	
Front Speaker	320W/CH (6 Ω/100Hz)
MX-D850- 760 Watts (10% THD)	
Front Speaker	280W/CH (6 Ω/100Hz)
Subwoofer	200W/CH (8 Ω/100Hz)
MX-D850- 860 Watts (MAX. THD)	
Front Speaker	310W/CH (6 Ω/100Hz)
Subwoofer	240W/CH (8 Ω/100Hz)
MX-D870- 1,200 Watts (10% THD)	
Front Speaker	270W/CH (6 Ω/100Hz)
Subwoofer	200W/CH (8 Ω/100Hz)
Rear Speaker	130W/CH (12 Ω/15kHz)
MX-D870- 1,400 Watts (MAX. THD)	
Front Speaker	300W/CH (6 Ω/100Hz)
Subwoofer	250W/CH (8 Ω/100Hz)
Rear Speaker	150W/CH (12 Ω/15kHz)
Channel separation	60 dB
Signal/noise ratio	70 dB
GENERAL	
Dimensions (MX-D830/MX-D850)	294 (W) x 379.8 (H) x 436.8 (D) mm
Dimensions (MX-D870)	294 (W) x 398.8 (H) x 436.8 (D) mm
Weight (MX-D830/MX-D850)	5.8 Kg
Weight (MX-D870)	6.2 Kg

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- Design and specifications are subject to change without prior notice.
- For information on the power supply and power consumption, refer to the label attached to the product.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

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Area	Contact Center ☎	Web Site
▪ North America		
Canada	1-800-SAMSUNG (726-7864)	www.samsung.com
Mexico	01-800-SAMSUNG (726-7864)	www.samsung.com
U.S.A	1-800-SAMSUNG (726-7864)	www.samsung.com
▪ Latin America		
Argentine	0800-333-3733	www.samsung.com
Brazil	0800-124-421 / 4004-0000	www.samsung.com
Chile	800-SAMSUNG (726-7864)	www.samsung.com
Colombia	01-8000112112	www.samsung.com
Costa Rica	0-800-507-7267	www.samsung.com
Dominica	1-800-751-2676	www.samsung.com
Ecuador	1-800-10-7267	www.samsung.com
El Salvador	800-6225	www.samsung.com
Guatemala	1-800-299-0013	www.samsung.com
Honduras	800-7919267	www.samsung.com
Jamaica	1-800-234-7267	www.samsung.com
Nicaragua	00-1800-5077267	www.samsung.com
Panama	800-7267	www.samsung.com
Peru	0-800-777-08	www.samsung.com
Puerto Rico	1-800-682-3180	www.samsung.com
Trinidad & Tobago	1-800-SAMSUNG (726-7864)	www.samsung.com
Venezuela	0-800-100-5303	www.samsung.com
▪ Europe		
Albania	42 27 5755	-
Austria	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
Belgium	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
Bosnia	05 133 1999	-
Bulgaria	07001 33 11	www.samsung.com
Croatia	062 SAMSUNG (062 726 7864)	www.samsung.com
Czech	800-SAMSUNG (800-726786) Samsung Zrt., česká organizační složka, Oasis Florenc, Sokolovská394/17, 180 00, Praha 8	www.samsung.com
Denmark	70 70 19 70	www.samsung.com
Finland	030 - 6227 515	www.samsung.com
France	01 48 63 00 00	www.samsung.com
Germany	01805 - SAMSUNG (726-7864 € 0,14/Min)	www.samsung.com
Hungary	06-80-SAMSUNG (726-7864)	www.samsung.com
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Kosovo	+381 0113216899	-
Luxemburg	261 03 710	www.samsung.com
Macedonia	023 207 777	-
Montenegro	020 405 888	-
Netherlands	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
Norway	815-56 480	www.samsung.com
Poland	0 801 1SAMSUNG (172678) / 022-607-93-33	www.samsung.com
Portugal	80820-SAMSUNG (726-7864)	www.samsung.com
Rumania	1. 08010 SAMSUNG (72678) - doar din rețeaua Romtelecom, tarif local 2. 021.206.01.10 - din orice rețea, tarif normal	www.samsung.com
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Estonia	800-7267	www.samsung.com
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Armenia	0-800-05-555	-
Azerbaijan	088-55-55-555	-
Kazakhstan	8-10-800-500-55-500 (GSM: 7799)	www.samsung.com
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Moldova	00-800-500-55-500	-
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Singapore	1800-SAMSUNG (726-7864)	www.samsung.com
Thailand	1800-29-3232 / 02-689-3232	www.samsung.com
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Saudi Arabia	9200-21230	www.samsung.com
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